

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-21. (Cancelled)

22. *(Currently Amended)* A system for effecting a braking force on a towed vehicle, the system including:

at least one braking sensor located on a towing vehicle;

a control unit for communicating with a braking actuator mechanism located on said towed vehicle for actuating brakes on said towed vehicle;

said braking sensor including a ~~substantially rigid disposed~~ pressure-sensitive laminate with no moving parts;

said control unit determining braking force sensed by said braking sensor; and

signaling means for signaling said braking actuator mechanism to apply a braking force to said towed vehicle proportional to said braking force sensed by said braking sensor as determined by said control unit;

wherein the control unit is adapted to detect a change in the application of braking force, and once sensed to transmit a braking force increase signal via the signaling means if an increase in braking force sensed is detected, or to transmit a braking force decrease signal via the signaling means if a decrease in braking force sensed is detected.

23. (Previously Presented) A system in accordance with Claim 22, which further comprises a park brake assembly.

31. (Previously Presented) A system in accordance with Claim 22, which comprises automatic sway detection means that detects the towed vehicle's oscillations and applies said brakes on said towed vehicle independently of said towing vehicle.

32-37. (Cancelled)

38. **(Currently Amended)** A method of applying a braking force to a towed vehicle proportional to the braking force applied to a towing vehicle which is towing said towed vehicle, the method including:

sensing the braking force applied by said towing vehicle by a ~~substantially rigidly disposed piezo-sensitive~~ pressure-sensitive laminate with no moving parts,

converting said sensed force to a braking force to be applied to said towed vehicle, and

signaling a brake actuator mechanism of said towed vehicle to apply said proportional braking force to brakes on said towed vehicle;

wherein the method further comprises

detecting a change in braking force sensed, and

transmitting a braking force increase signal if an increase in braking force sensed is detected, or a braking force decrease signal if a decrease in braking force sensed is detected.

39. **(Currently Amended)** A system for effecting a braking force on a towed vehicle, the system comprising:

a braking sensor on a towing vehicle;

a control unit for communicating with [[a]] braking actuator means on said towed vehicle for actuating brakes of said towed vehicle;

said braking sensor including a ~~substantially rigidly disposed piezo-electric sensitive~~ laminate;

said control unit determining braking force sensed by said braking sensor; and

determined by said control unit.

40. **(new)** The system of claim 22, wherein said laminate includes a number of piezoelectric elements.

41. **(new)** The method of claim 38, wherein said laminate includes a number of piezoelectric elements.

42. **(new)** The system of claim 39, wherein said laminate includes a number of piezoelectric elements which are connected to each other in parallel.